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**TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING  
REJECTION OVER A "PRIOR" PATENT**

Docket Number (Optional)  
04558/046002

In re Application of: Emiko Kawahara et al.

Application No.: 10/655,098-Conf. #6891

Filed: September 4, 2003

For: LAMINATED DIELECTRIC FILTER AND ANTENNA DUPLEXER AND COMMUNICATION  
EQUIPMENT USING THE SAME

The owner\*, Matsushita Electric Industrial Co., Ltd., of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of **prior patent** No. 6,696,903 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and as the term of said **prior patent** is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of the **prior patent**, "as the term of said **prior patent** is presently shortened by any terminal disclaimer," in the event that said **prior patent** later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 33,986

T. Chyau Liang March 6, 2006  
Signature Date  
for Jonathan P. Osha #48,885  
Typed or printed name

(713) 228-8600  
Telephone Number

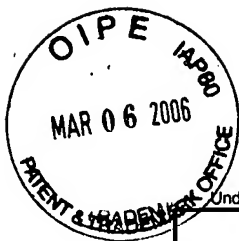
- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included.

\*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).  
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Emiko Kawahara, Toru Yamada, Hiroshi Kushitani, and Hideaki Nakakubo

Application No./Patent No./Control No.: 10/655,098 Filed/Issue Date: September 4, 2003

Entitled: LAMINATED DIELECTRIC FILTER AND ANTENNA DUPLEXER AND COMMUNICATION EQUIPMENT USING THE SAME

Matsushita Electric Industrial Co., Ltd., a \_\_\_\_\_,  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
(The extent (by percentage) of its ownership interest is 100 %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011034, Frame 0782, or a true copy of the original assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

T. Chyan Liang  
Signature

3/6/06  
Date

for Jonathan P. Osha #48,885  
Printed or Typed Name

(713) 228-8600  
Telephone Number

\_\_\_\_\_  
Authorized Signer for Assignee  
Title



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 30, 2001

PTAS



\*101672075A\*

ROSENTHAL & OSHA L.L.P.  
JONATHAN P. OSHA  
700 LOUISIANA, SUITE 4550  
HOUSTON, TX 77002

## CORRECTED NOTICE

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/04/2000

REEL/FRAME: 011034/0782  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KAWAHARA, EMIKO

DOC DATE: 07/25/2000

ASSIGNOR:

KUSHITANI, HIROSHI

DOC DATE: 07/25/2000

ASSIGNOR:

YAMADA, TORU

DOC DATE: 07/25/2000

ASSIGNOR:

NAKAKUBO, HIDEAKI

DOC DATE: 07/25/2000

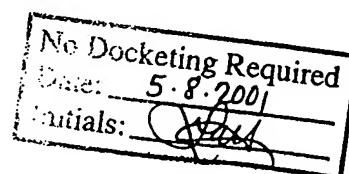
ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL  
CO., LTD.  
1006-BANCHI, OAZA-KADOMA, KADOMA-  
SHI  
OSAKA, JAPAN 571-8501

SERIAL NUMBER: 09631744

PATENT NUMBER:

FILING DATE: 08/04/2000  
ISSUE DATE:



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DOROTHY RILEY, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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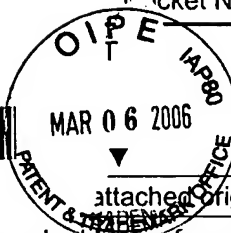
04-30-2001



101672075

Packet No.: 04558/046001

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



attached original documents or copy (if any)

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Emiko KAWAHARA  
Hiroshi KUSHITANI

Toru YAMADA  
Hideaki NAKAKUBO

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Matsushita Electric Industrial Co., Ltd.

Address: 1006-banchi, Oaza-Kadoma, Kadoma-shi

City: Osaka

State/Prov.: \_\_\_\_\_

Country: JAPAN

ZIP: 571-8501

Additional name(s) & address(es)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: July 25, 2000

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: July 25, 2000

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jonathan P. Osha

Registration No. 33,986

Address: ROSENTHAL & OSHA L.L.P.

'00 Louisiana, Suite 4550

City: Houston

State/Prov.: TX

Country: U.S.A.

ZIP: 77002

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

500-591

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08/30/2000 KTHA11 00000319 09631744

OFFICIAL Statement and signature. 40.00 OP

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 39,182

Richard A. Fagin, Reg. No. 39,186

Name of Person Signing

Signature

August 4, 2000

Date

Total number of pages including cover sheet, attachments, and

5

## ASSIGNMENT

### 譲渡証

本証末尾に署名した者（以下、「発明者」という）は、  
適正・相当な対価を受領しており、それが十分な対価である  
ことを認識した上で、

（氏名または組織名）

（住所）

（以下「会社」という）と、その承継人および譲受人に対し  
て、

（発明の名称）

という名称で知られ、アメリカ合衆国において末尾署名者  
が特許申請をした発明（以下、「発明」という）にかかる  
アメリカ合衆国（その属領、支配地を含むがこれに限らな  
い）におけるすべての権利、権限及び利権を、当該特許申  
請、その分割、継続、一部継続、再発行及び延長、並びに、  
それらに対して与えられる全ての米国特許証とともに譲  
渡する。かかる利権とは、「会社」、その承継人、譲受人、  
またはそれらの法的代理人の上記申請に対する、及び、特  
許証が与えられたときはそれに対する、本譲渡が行われな  
かった場合に「発明者」に対して特許証が与えられ、また  
延長されることにより享受しようと同一の期間にわたる  
完全な所有権を意味する。

For good and valuable consideration, the receipt and  
sufficiency of which are hereby acknowledged, the undersigned  
individual(s) (referred to herein as "INVENTOR(S)") hereby  
assign, transfer and set over to:

Matsushita Electric Industrial Co., Ltd.

having the following address:

1006-banchi, Oaza-Kadoma, Kadoma-shi, Osaka

571-8501, JAPAN

(referred to herein as "COMPANY"), its successors and assigns,  
the entire right, title, and interest for the United States of  
America (including without limitation its territories and  
possessions) in and to the invention known by the following  
title:

LAMINATED DIELECTRIC FILTER, AND

ANTENNA DUPLEXER AND COMMUNICATION

EQUIPMENT USING THE SAME

for which the undersigned has/have executed an application for  
patent in the United States of America (referred to herein as  
"INVENTION"), together with said patent application, all  
divisions, continuations, continuations-in-part, reissues, and  
extensions thereof, and all United States Letters Patent which  
may be granted therefor. Such interest represents the entire  
ownership of said applications and Letters Patent when granted  
and is to be owned by COMPANY, its successors, and assigns,  
or their legal representatives, for the full and entire term for  
which such Letters Patent may be granted or extended, as fully  
and entirely as the same would have been enjoyed by the  
INVENTOR(S) if this assignment had not been made.

さらに、本証末尾に署名した発明者は、それぞれ、以下のとおり同意する。

1. 「発明」に関するアメリカ合衆国における特許申請の出願に関して、更に必要な又は望ましく、適法かつ適切な書類に署名、執行すること。これには、上記申請及びそれらの分割、継続、一部継続、修正を全て含み、更に、それらに関するインターフェアレンス手続、その他「会社」が権限を保持するために必要もしくは望ましいものが含まれるが、その限りではない。
2. 工業所有権の保護に関する国際条約またはそれに類する条約や協定の下で優先権の主張その他のために必要な、書面、書類の執行及び合法的行為を遂行すること。
3. 有効かつ強制力のある特許を「会社」が得るために必要なあらゆる合法かつ積極的な行為をすること。

本証末尾に署名した「発明者」は、それぞれ、アメリカ合衆国特許商標庁長官に対して、当該特許申請（それに基づく全ての分割、継続、一部継続、再発行申請を含むがそれに限らない）から生じる全ての特許証を「会社」に対して発行するよう授権し、かつ、請願する。

本証末尾に署名した「発明者」は、それぞれ、本証の登記にあたりアメリカ合衆国特許商標庁の規則に従って必要もしくは望ましい識別情報を本譲渡証に挿入する権限をローゼンタール・アンド・オーシャ法律事務所に授与する。

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

以上を確認の上、下記の者が下記署名に並んで記された  
日に各自署名して本譲渡証を発効させた。

IN WITNESS WHEREOF, this Assignment has been  
executed by each of the undersigned individuals on the date  
appearing by such individual's signature.

(署名)  
年月日 氏名 (楷書):

July 25, 2000 Emiko Kawahara  
Date Typed Name: Emiko KAWAHARA

(署名)  
年月日 氏名 (楷書):

July 25, 2000 Toru Yamada  
Date Typed Name: Toru YAMADA

(署名)  
年月日 氏名 (楷書):

July 25, 2000 Hiroshi Kushitani  
Date Typed Name: Hiroshi KUSHITANI

(署名)  
年月日 氏名 (楷書):

July 25, 2000 Hideaki Nakakubo  
Date Typed Name: Hideaki NAKAKUBO

(署名)  
年月日 氏名 (楷書):

Date Typed Name:

(署名)  
年月日 氏名 (楷書):

Date Typed Name:

本譲渡証はアメリカ合衆国のいずれかの州の公証人ま  
たは下記の署名する2名の証人の面前で署名されるもの  
とする。

This Assignment may be signed before a Notary Public  
for one of the States of the United States or before two  
witnesses who sign below:

(署名)  
年月日 氏名 (楷書):

July 25, 2000 Takehiko Yamakawa  
Date Typed Name: Takehiko YAMAKAWA

(署名)  
年月日 氏名 (楷書):

July 25, 2000 Yoshinobu Itoogawa  
Date Typed Name: Yoshinobu ITOGAWA

本譲渡証が特許申請書と同時に提出されなかった場  
合、下記識別情報が後に追加されるものとする。

米国申請シリアル番号:

申請日:

Where this Assignment is not filed concurrently with the  
patent application, the following identifying information  
may be added after execution:

U.S. Application Serial No.:

Filing Date: